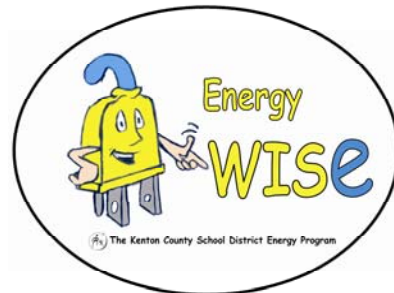


Kenton County School District Energy Management Program

Chris Baker

**Energy Systems Coordinator
Kenton County School District**

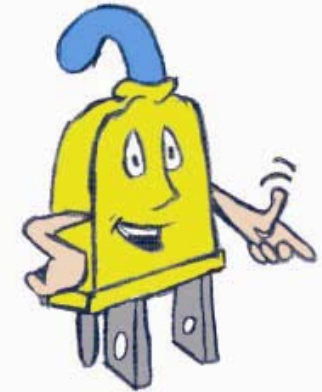


Kenton County School District Energy Program



How We Started

- Hired Energy Systems Coordinator
- Created Sustainable Energy Plan
- Created District Energy Team
- Created Student Energy Teams



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Kenton County School District Energy Program



Key Components

- Dedicated Energy Coordinator/Manager
- Top – Down Support/Buy in
- Energy Tracking Software
- Communication & training
- Student, Faculty, and Staff involvement
- Recognition & Celebration

Kenton County School District Energy Program



Who You Need to Know

- Your Energy Provider
- KEEPS – Beth Bell
- KY NEED – Karen Reagor
- KY Dept. for Energy Development & Independence – Lee Colton



Kenton County School District Energy Program 05-06



Fiscal Year 05 - 06

- Our first High Performance school opened August 2005 – Caywood Elementary
 - Cost Avoidance \$48,565
- Our second High Performance school opened January 2006 – Twenhofel Middle School
 - Cost Avoidance \$33,822
 - **Total Cost Avoidance - \$82,387**

Kenton County School District Energy Program 06-07



Fiscal Year 06 - 07

- Targeted Schools with DDC systems
 - Cost Avoidance \$116,500
- Electric Rate Reviews
 - Cost Avoidance \$75,000
- 2 High Performance Schools
 - Cost Avoidance \$88,713
 - **Total Cost Avoidance - \$280,213**

Kenton County School District Energy Program 07-08



Fiscal Year 07 - 08

- Implemented Energy Teams at all schools

Investment – Stipends for teachers

- Solicited Natural Gas purchasing
- Continued to Target Schools with DDC

Cost Avoidance \$284,000

- 2 High Performance Schools
 - Cost Avoidance \$128,482
 - **Total Cost Avoidance - \$412,482**

Kenton County School District Energy Program 08-09



Fiscal Year 08 – 09, 1st 5 months

- Energy Savings Performance Contract in progress, 1st capital investment
- Continue with student energy teams, DDC systems
 - Cost Avoidance \$190,000 (Energy)
 - Cost Avoidance \$40,000 (Water)
 - Total Cost Avoidance 1st 5 mths \$230,000

Kenton County School District Energy Program



Conclusion

- Cost avoidance using no cost/low cost measures - \$475,500
- Cost avoidance with High Performance Schools - \$299,582
- Cost avoidance from ESPC - \$230,000 (5 mths)
- **Total Cost avoidance - \$1,005,082**